Amendments to the specification:

Applicant requests that the replacement sheets appended to the International Preliminary Examination Report submitted 4 January 2006 with the 35 U.S.C. 371 National Stage filing of the PCT application, already found in the PTO's file wrapper under "2006-01-04 Documents Submitted with 371 Applications", and containing amended pages 1-3, 5-7, 9, 10, 16, 17, and 19 of the specification, be treated as part of the original U.S. national stage filing.

Additionally, Applicant further amends the paragraph on page 1 of the specification, beginning at lines 3 and ending on line 8 as follows:

The present invention relates to polarization to distinguish QoS classes, and to distinguish payload and header in packets with ~~communicational~~ communication networks. More generally the present invention relates to a new and improved use of states of polarization within all types of communicational networks.

Applicant further amends the paragraph on page 1 of the specification, beginning at lines 10 and ending on line 22 as follows:

With the introduction and the development of optical networks it is a goal to reduce the cost and ~~complecity~~ complexity of data transmission within ~~Tele~~ voice and data networks. A major factor for achieving this is to reduce the number of signal transformations between optical and electrical signals. Such a reduction will reduce the number of components within the networks elements and reduce the need for electronic signal processing. Further a reduction in the number of components within the networks element will result in a reduction of the sources of errors, and hence reduced need for service and maintenance and an increased operational time. These factors will again result in a potentially reduced cost.